



Accountability
Performance
Accuracy

The Nuclear Materials Management Safeguards System

NMMSS

2016

Annual Users Training Meeting

May 9-12, 2016 | New Orleans, LA

Foreign Obligations

Julie Hawkins
Global Nuclear Fuel



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Foreign Obligations Update

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NNSA



- Review of origin of obligations tracking
- How obligations are tracked
- NRC notice to facilities
- Creation of obligated material onsite
- Reconciliation of obligations balances
- Depleting WR Balances
- Recent Foreign Obligation Challenges



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Origins of Foreign Obligations Tracking

- US, Canada, Australia, Japan, Euratom, Russia, etc. treaties/agreements for peaceful uses of uranium
- Exports tied to assurances of peaceful uses
- Obligation quantities are based on 741 transactions
- Annual reports provided by NMMSS to countries with agreements
- NMMSS helping to resolve transit matching issues



How Obligations are Tracked

- Tracked by codes – increases with receipts, decreases with shipments
 - Receipts – Codes/quantities noted on 741 (Domestic)
 - Receipts – NRC notices for international shippers
 - Shipments – Codes based on obligations supplied – Noted on 741 (Domestic)
 - Shipments – Codes/quantities must be authorized on NRC Export License and based on receipts (International)
 - Obligation Exchanges – contractual commitments

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NRC Notice for Import of Foreign Obligated Uranium

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Notices: Request for Assurances, Forecasts, Cancellations



Australian Government
Australian Safeguards and Non-Proliferation Office

TO:	Australia POC NRC Nuclear Regulatory Commission NNSA	CONTACT:	foreign.obligations@nrc.gov
FROM:	Director General ASNO	CONTACT:	nac-asno@dfat.gov.au
SUBJECT:	NOTIFICATION OF TRANSFER OF NUCLEAR MATERIAL FROM THIRD COUNTRY	REFERENCE:	AUEUUS505
DATE:	26/06/2015	Number of pages (including this one):	2

**** NOTIFICATION OF TRANSFER OF NUCLEAR MATERIAL FROM THIRD COUNTRY ****

NOTIFICATION OF INDIRECT TRANSFER OF AUSTRALIAN OBLIGATED NUCLEAR MATERIAL FROM GERMANY TO THE UNITED STATES OF AMERICA IN ACCORDANCE WITH THE TERMS OF THE ADMINISTRATIVE ARRANGEMENTS TO THE NUCLEAR COOPERATION AGREEMENT BETWEEN AUSTRALIA AND THE UNITED STATES OF AMERICA



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire



PRIOR NOTIFICATION PURSUANT TO THE AGREEMENT FOR COOPERATION
CONCERNING CIVIL USES OF ATOMIC ENERGY BETWEEN THE
GOVERNMENT OF THE UNITED STATES OF AMERICA
AND THE GOVERNMENT OF CANADA

To: Katie Strangis Jessica Norles	Fax Nos: 1-202-586-1348
From: David Reinholz	Date: March 2, 2016

CNSC advises DOE of the following intended transfer:



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR ENERGY
DIRECTORATE E Euratom safeguards
E 5-Nuclear accountancy and international obligations

Luxembourg,
E 5/TC
Page 1/1

Ref. MEDOR(2016)5766 - 31/03/2016

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AGREEMENT BETWEEN THE UNITED STATES OF AMERICA AND THE EUROPEAN ATOMIC ENERGY
COMMUNITY (EURATOM) FOR COOPERATION IN THE PEACEFUL USES OF NUCLEAR ENERGY

From: Head of Unit E 5 Euratom, Luxembourg	Email: Safeguards-Eur-US@ec.europa.eu Safeguards-courrier@ec.europa.eu +352430133545
To: US Department of State PM/NE, Room 7828 WASHINGTON, DC 20520 Attention: Mr Robin DeLaBarre	Email: DeLaBarreR@state.gov
Copy: US Department of Energy NN-42, Room GA045 WASHINGTON, DC 20585-0440	Email: Jessica.Norles@nnsa.doe.gov
Copy: US Nuclear Regulatory Commission	Email: foreign.obligations@nrc.gov

Annex I-A Part B

Prior notification pursuant to the Euratom/US Nuclear Cooperation
Agreement of an intended transfer of nuclear material from The
Community to the USA

EUR. Ref: U-EUUS16/023

The Commission advises D.O.S. of the following intended transfer:

CONFIRMATION OF SHIPMENT IN THE UNITED STATES FROM
THE RUSSIAN FEDERATION PURSUANT TO THE AGREEMENT
BETWEEN THE GOVERNMENT OF THE UNITED STATES OF
AMERICA AND THE GOVERNMENT OF THE RUSSIAN
FEDERATION FOR COOPERATION IN THE FIELD OF PEACEFUL
USES OF NUCLEAR ENERGY

To: U.S. Department of Energy (DOE)	Fax Nos:
From: Rosatom State Atomic Energy Corporation	Date:

REF. NO RUS0012

ROSATOM advises DOE of the following shipment (return) of nuclear material:



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Creation of Obligated Material Onsite

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- Receive unobligated uranium
- Placement of the material into obligated equipment causes the uranium to become obligated
- Form 741 transforms the material into obligated with a single party transaction



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Reconciling Obligation Balances

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- Facility requests NMMSS obligations report for RIS
- Facility verifies the NMMSS data against all transactions for each material type and obligation code
- Facility provides 741 transaction corrections for discrepancies
- The obligations balances are Attachment B for the Form 742 Material Balance Reports



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Depleting WR Balances

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- Closing out the WR Balances
- Do we have to completely close out?
- Targeted date to have balances depleted?
- Reporting once complete?



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Recent Foreign Obligation Challenges

- Russian obligations (Code 36) – Yes! (well, No!)
- Export Licenses – In house swaps to meet the approved license obligations
- Terminology differences between sites and NMMSS
- Inventory reconciliation – are we going to have to reconcile both element and isotope back to 2003???

